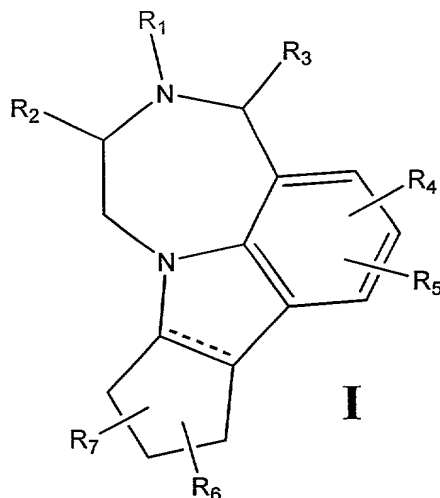


**What is Claimed:**

1. A compound of the formula:



wherein:

R<sub>1</sub> is hydrogen, -C(O)CH<sub>3</sub> or alkyl of 1-6 carbon atoms;

- 10 R<sub>2</sub> and R<sub>3</sub> are each, independently, hydrogen, alkyl of 1-6 carbon atoms, cycloalkyl, alkoxy of 1-6 carbon atoms, -CH<sub>2</sub>OH, fluorinated alkyl of 1-6 carbon atoms, -NH-SO<sub>2</sub>-alkyl of 1-6 carbon atoms, -SO<sub>2</sub>-NH-alkyl of 1-6 carbon atoms, alkyl amide of 1-6 carbon atoms, amino, alkylamino of 1-6 carbon atoms, dialkylamino of 1-6 carbon atoms per alkyl moiety, fluorinated alkoxy of 1-6 carbon atoms, acyl of 2-7 carbon atoms, aryl, or aroyl;

- 20 R<sub>4</sub> and R<sub>5</sub> are each, independently, hydrogen, alkyl of 1-6 carbon atoms, alkoxy of 1-6 carbon atoms, halogen, fluorinated alkyl of 1-6 carbon atoms, -CN, -NH-SO<sub>2</sub>-alkyl of 1-6 carbon atoms, -SO<sub>2</sub>-NH-alkyl of 1-6 carbon atoms, alkyl amide of 1-6 carbon atoms, amino, alkylamino of 1-6 carbon atoms, dialkylamino of 1-6 carbon atoms per alkyl moiety, fluorinated alkoxy of 1-6 carbon atoms, acyl of 2-7 carbon atoms, or aroyl;

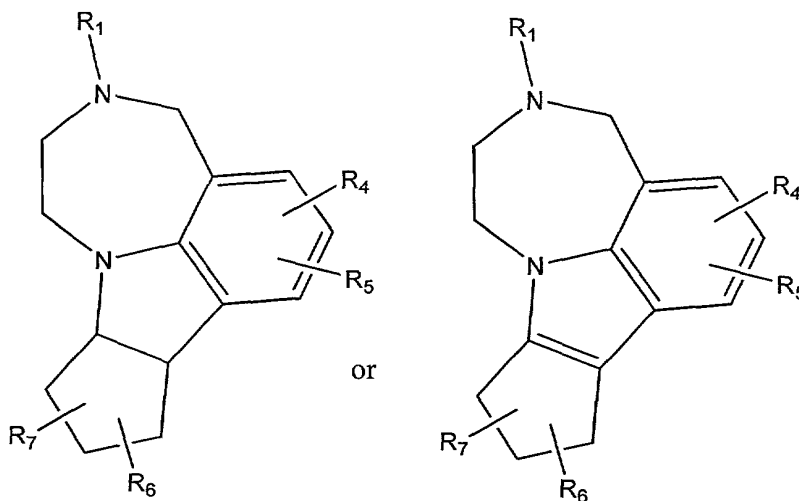
R<sub>6</sub> and R<sub>7</sub> are each independently hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, cycloalkyl of 3 to 7 carbon atoms or -CH<sub>2</sub>-(cycloalkyl of 3 to 7 carbon atoms);

the dashed line indicates an optional double bond;

or a pharmaceutically acceptable salt thereof.

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2. A compound of Claim 1 having the formulae:



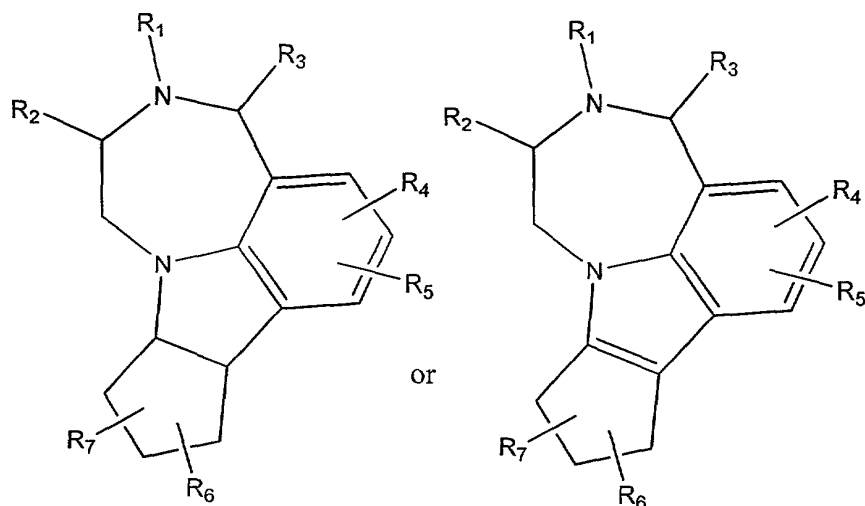
wherein R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are as defined in Claim 1, or a pharmaceutically acceptable salt thereof.

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3. A compound of Claim 1 wherein R<sub>1</sub> and R<sub>7</sub> are hydrogen and R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, and R<sub>6</sub> are as defined in Claim 1, or a pharmaceutically acceptable salt thereof.

4. A compound of Claim 1 having the formulae:

15



wherein:

$R_1$  is hydrogen, or alkyl of 1-6 carbon atoms;

5         $R_2$  and  $R_3$  are each, independently, hydrogen, alkyl of 1-6 carbon atoms, cycloalkyl, alkoxy of 1-6 carbon atoms,  $-CH_2OH$ , or fluorinated alkyl of 1 to 6 carbon atoms;

10         $R_4$  and  $R_5$  are each, independently, hydrogen, alkyl of 1-6 carbon atoms, alkoxy of 1-6 carbon atoms, halogen,  $-CN$ , amino or fluorinated alkyl of 1 to 6 carbon atoms;

$R_6$  and  $R_7$  are each independently hydrogen or  $C_1-C_6$  alkyl;

15        or a pharmaceutically acceptable salt thereof.

5.        A compound of Claim 1 which is 1,2,3,4,9,10-Hexahydro-8H-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole or a pharmaceutically acceptable salt thereof.

20        6.        A compound of Claim 1 which is 1,2,3,4,8,9,10,10a-Octahydro-7bH-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole or a pharmaceutically acceptable salt thereof.

7.        A compound of Claim 1 which is 3-Acetyl-1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole or a pharmaceutically acceptable salt thereof.

8. A compound of Claim 1 which is (7bR,10aR)-1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta-[b][1,4]diazepino[6,7,1-hi]indole or a pharmaceutically acceptable salt thereof.

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9. A compound of Claim 1 which is 6-Methyl-1,2,3,4,9,10-hexahydro-8H-cyclopenta[b][1,4]diazepino[6,7,1-hi]indole or a pharmaceutically acceptable salt thereof.

10. A compound of Claim 1 which is (2S)-(rel-7bR,10aR)-2-Methyl-1,2,3,4,8,9,10,10a-Octahydro-7bH-Cyclopenta[b][1,4]Diazepino[6,7,1-hi]Indole or a pharmaceutically acceptable salt thereof.

11. A compound of Claim 1 which is (2S)-(rel-7bS,10aS)-2-Methyl-1,2,3,4,8,9,10,10a-Octahydro-7bH-Cyclopenta[b][1,4]Diazepino[6,7,1-hi]Indole or a pharmaceutically acceptable salt thereof.

12. A compound of Claim 1 which is (2R)-(rel-7bR,10aR)-2-Methyl-1,2,3,4,8,9,10,10a-Octahydro-7bH-Cyclopenta[b][1,4]Diazepino[6,7,1-hi]Indole or a pharmaceutically acceptable salt thereof.

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13. A compound of Claim 1 which is (2R)-(rel-7bS,10aS)-2-Methyl-1,2,3,4,8,9,10,10a-Octahydro-7bH-Cyclopenta[b][1,4]Diazepino[6,7,1-hi]Indole or a pharmaceutically acceptable salt thereof.

14. A compound of Claim 1 which is (2R,7bS,10aS)-1,2,3,4,8,9,10,10a-Octahydro-7bH-Cyclopenta[b][1,4]Diazepino[6,7,1-hi]Indol-2-ylmethanol or a pharmaceutically acceptable salt thereof.

15. A compound of Claim 1 which is rel-(4S,7bS,10aS)-4-Methyl-1,2,3,4,8,9,10,10a-Octahydro-7bH-Cyclopenta[b][1,4]Diazepino[6,7,1-hi]Indole or a pharmaceutically acceptable salt thereof.

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16. A compound of Claim 1 which is *rel*-(4*R*,7*bS*,10*aS*)-4-Methyl-1,2,3,4,8,9,10,10*a*-Octahydro-7*bH*-Cyclopenta[*b*][1,4]Diazepino[6,7,1-*hi*]Indole or a pharmaceutically acceptable salt thereof.

5 17. A compound of Claim 1 which is 9-Methyl-1,2,3,4,8,9,10,10*a*-Octahydro-7*bH*-Cyclopenta[*b*][1,4]Diazepino[6,7,1-*hi*]Indole or a pharmaceutically acceptable salt thereof.

10 18. A compound of Claim 1 which is (7*bR*,9*R*,10*aR*)-9-Methyl-1,2,3,4,8,9,10,10*a*-Octahydro-7*bH*-Cyclopenta[*b*][1,4] Diazepino[6,7,1-*hi*]Indole or a pharmaceutically acceptable salt thereof.

15 19. A compound of Claim 1 which is 9,9-Dimethyl-1,2,3,4,8,9,10,10*a*-Octaydro-7*bH*-Cyclopenta[1,4]Diazepino[6,7,1-*hi*]Indole or a pharmaceutically acceptable salt thereof.

20 20. A compound of Claim1 which is (7*b*,10*aR*)-9,9-Dimethyl-1,2,3,4,8,9,10,10*a*-Octahydro-7*bH*-Cyclopenta[*b*][1,4] Diazepino[6,7,1-*hi*]Indole or a pharmaceutically acceptable salt thereof.

21. A compound of Claim 1 which is (7*bS*,10*aS*)-9,9-Dimethyl-1,2,3,4,8,9,10,10*a*-Octahydro-7*bH*-Cyclopenta[*b*][1,4] Diazepino[6,7,1-*hi*]Indole or a pharmaceutically acceptable salt thereof.

25 22. A pharmaceutical composition comprising a pharmaceutically effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or excipient.

30 23. A method of treatment of schizophrenia in a mammal, the method comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

24. A method of treatment in a mammal of obsessive-compulsive disorder, depression, anxiety, panic disorder, anxiety, generalized anxiety disorder, obesity or epilepsy, the method comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.
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